## IN THE CLAIMS

## 1-10. (Canceled)

- 11. (Currently Amended) A method for applying a photoresist composition comprising using to an MMN head coater to apply the photoresist composition to large scale substrates, wherein the photoresist composition comprises:
- (a) 5 wt% to 30 wt% of a polymer resin represented by the following Chemical Formula 1;
  - (b) 2 wt% to 10 wt% of a diazide photoactive compound;
  - (c) 50 wt% to 90 wt% of an organic solvent; and
  - (d) 500 to 4000 ppm of a Si based surfactant:

## Chemical Formula 1

wherein R is C<sub>1</sub> to C<sub>4</sub> alkyl, and n is an integer of 15 to 10,000, and wherein the Si-based surfactant is a polyoxyalkylene dimethylpolysiloxane copolymer compound,

wherein the composition and content of solvent and surfactant is controlled to prevent stains and improve coating characteristics in a photoresist film formed using the photoresist composition, and

wherein stains include central stains, lateral stains, or cloudy stains.

12. (Withdrawn) The method of Claim 11,

wherein the polymer resin is a novolak resin having a molecular weight ranging from about 2000 to 12,000.

13. (Withdrawn) The method of Claim 11,

wherein the organic solvent is one or more substances selected from the group consisting of propyleneglycol methyl ether acetate (PGMEA), ethyl lactate (EL), 2-

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methoxyethylacetate (MMP), n-butyl acetate (nBA), propyleneglycol monomethyl ether (PGME), and ethyl-3-ethoxypropionate (EEP).

14. (Withdrawn) The method of Claim 11,

wherein the organic solvent is a mixture of 50 wt% to 90 wt% of propyleneglycol methyl ether acetate (PGMEA) and 10 wt% to 50 wt% of ethyl-3-ethoxypropionate (EEP).

## 15. (Canceled)

16. (Withdrawn) The method of Claim 11,

wherein the composition further comprises one or more nitrogen-containing crosslinking agents selected from the group consisting of a condensation product of urea and formaldehyde, a condensation product of melamine and formaldehyde, a methylol urea alkylether, and a methylol melamine alkylether.

- 17. (Previously Presented) The method of Claim 11, wherein the photoresist composition is applied by a pattern formation method, comprising:
- (a) coating the photoresist composition on a substrate and drying it to prepare a photoresist film;
- (b) placing a patterned mask on the substrate and exposing the photoresist film to light; and
  - (c) developing the exposed photoresist film to obtain a photoresist pattern, and wherein the photoresist composition comprises:
- 5 wt% to 30 wt% of a polymer resin represented by the following Chemical Formula 1 which is a novolak resin having a molecular weight ranging from about 2000 to 12,000; 2 wt% to 10 wt% of a diazide photoactive compound; 50 wt% to 90 wt% of an organic solvent of one or more substances selected from the group consisting of propyleneglycol methyl ether acetate (PGMEA), ethyl lactate (EL), 2-methoxyethylacetate (MMP), n-butyl acetate (nBA), propyleneglycol monomethyl ether (PGME), and ethyl-3-ethoxypropionate (EEP); and 500 to 4000 ppm of a polyoxyalkylene dimethylpolysiloxane copolymer compound as a Si-based surfactant:

Chemical Formula 1

where R is a C1 to C4 alkyl, and n is an integer of 15 to 10,000,

wherein the organic solvent is a mixture of 50 wt% to 90 wt% of propyleneglycol methyl ether acetate (PGMEA) and 10 wt% to 50 wt% of ethyl-3-ethoxypropionate(EEP).

18. (Previously Presented) The method of Claim 11, wherein the photoresist composition further comprises one or more nitrogen-containing crosslinking agents selected from the group consisting of a condensation product of urea and formaldehyde, a condensation product of melamine and formaldehyde, a methylol urea alkyl aldehyde condensate, a methylol urea alkylether, and a methylol melamine alkylether.

- 19. (Previously Presented) The method of Claim 11, wherein the photoresist composition is coated by the spray dispense method or the spin coating method.
- 20. (Previously Presented) The method of Claim 11, which is applied to liquid crystal display circuits using a large-scale substrate glass.